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## Patent Abstracts of Japan

PUBLICATION NUMBER : 10332243  
PUBLICATION DATE : 15-12-98

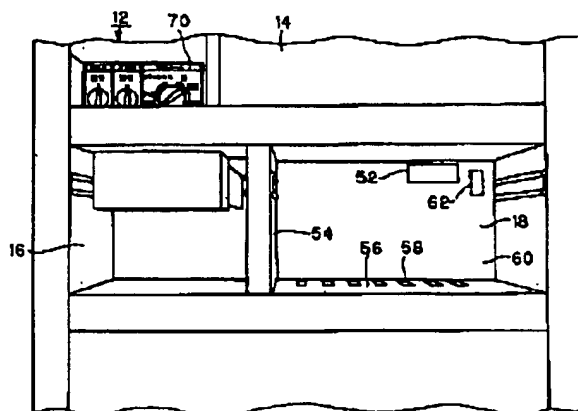
APPLICATION DATE : 29-05-97  
APPLICATION NUMBER : 09140262

APPLICANT : TOSHIBA CORP;

INVENTOR : NAEMURA YOSHIRO;

INT.CL. : F25D 11/02 F25D 17/06

TITLE : REFRIGERATOR



**ABSTRACT :** PROBLEM TO BE SOLVED: To reach a target temperature in a switching chamber quickly when the set temperature thereof is switched by providing a cooling fan having variable r.p.m. and controlling the r.p.m. of the cooling fan to increase as the set temperature decreases.

**SOLUTION:** A chill blow-out port 52 is made in the back face 60 of a switching chamber 18 at the upper right part thereof. A thermally insulating structure is employed for the left side face 54 and the bottom face 56 of the switching chamber 18. A plurality of return chill suction ports 58 are made at the rear part of the bottom face 56 and a sensor 62 for detecting the temperature in the switching chamber 18 is mounted on the back face 60 on the right side of the blow-out port 52. A controller comprising a microcomputer for controlling the temperature in the switching chamber 18 is disposed on a board at the upper part on the back of the refrigerating chamber while being connected with a compressor, a temperature sensor, and the like. A motor driver for rotating a cooling fan is also connected. The motor driver comprises an inverter circuit for controlling the rotation of a fan motor.

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